

Please CANCEL claims 21, 30 and 47-50.

Please AMEND the CLAIMS as follows:

1. (Currently Amended) In a first network including a local server coupled to a central server, the local server being coupled to a plurality of network devices via a second network, a method of interactively controlling from one of the plurality of network devices a flow of audio visual data from the central server to the network device, the method comprising:

obtaining a control command at the network device, the control command indicating a desired modification to the flow of the audio visual data from the central server to the network device;

sending the control command from the network device to the local server via the second network;

sending the control command from the local server to the central server via the first network; and

receiving a modified flow of the audio visual data from the central server at the network device in response to the control command such that the network device interactively modifies the flow of audio visual data from the central server to the network device.

2. (Currently Amended) In a first network including a local server coupled to a central server, the local server being coupled to a plurality of network devices via a second network, a method of interactively controlling from one of the plurality of network devices a flow of audio visual data from the central server to the network device, the method comprising:

obtaining a control command at the network device, the control command indicating a desired modification to the flow of the audio visual data from the central server to the network device;

sending the control command from the network device to the local server via the second network;

sending the control command from the local server to the central server via the first network; and

modifying the flow of the audio visual data from the central server to the network device in response to the control command such that the network device interactively controls the flow of audio visual data from the central server to the network device.

3. (Previously Amended) The method as recited in claim 2, wherein modifying the flow of the audio visual data from the central server to the network device in response to the control command comprises:

modifying the flow of the audio visual data from the central server via the first network to the local server; and

when modifying the flow of the audio visual data from the central server to the local server includes sending a compressed audio visual data stream to the local server, sending the compressed audio visual data stream from the local server to the network device via the second network.

4. (Original) The method as recited in claim 3, further comprising:

prior to sending the compressed audio visual data stream to the network device, storing the compressed audio visual data stream in a memory associated with the local server.

5. (Original) The method as recited in claim 3, wherein sending the compressed audio visual data stream to the network device is performed in real time.

6. (Currently Amended) In a first network including a local server coupled to a central server, the local server being coupled to a plurality of network devices via a second network, a method of interactively controlling from one of the plurality of network devices a flow of audio visual data from the central server to the network device, the method comprising:

receiving a control command at the central server from one of the plurality of network devices via the local server, the control command indicating a desired modification to the flow of the audio visual data from the central server to the network device via the local server; and

modifying the flow of the audio visual data from the central server to the network device via the local server in response to the control command, thereby enabling the flow of audio visual data from the central server to the network device to be interactively controlled by the network device such that the network device interactively controls the flow of audio visual data from the central server to the network device.

7. (Currently Amended) In a first network including a local server coupled to a central server, the local server being coupled to a plurality of network devices via a second network, a method of transmitting an a audio visual data stream from the central server to one of the plurality of network devices, the method comprising:

receiving a control command from one of the plurality of network devices, the control command indicating a desired modification to the audio visual data stream being transmitted from the central server to the one of the plurality of network devices via the local server; and  
sending a modified audio visual data stream from the central server to the one of the plurality of network devices via the local server in response to the control command, thereby enabling a audio visual data stream being transmitted from the central server to the network device to be interactively controlled from the network device such that the network device interactively controls the flow of audio visual data from the central server to the network device.

8. (Currently Amended) In a first network including a local server coupled to a central server, the local server being coupled to a plurality of network devices via a second network, a method of interactively controlling from one of the plurality of network devices a flow of audio visual data from the central server to the network device, the method comprising:

receiving a control command at the local server from the network device via the second network, the control command indicating a desired modification to the flow of the audio visual data from the central server to the network device;

sending the control command from the local server to the central server via the first network;

receiving a modified audio visual data flow at the local server from the central server via the first network in response to the control command; and

transmitting the modified audio visual data flow from the local server to the network device via the second network, thereby enabling the network device to interactively modify the flow of the audio visual data from the central server to the network device.

9. (Currently Amended) The method as recited in claim 8, further comprising:

determining whether a file associated with the control command is stored in a memory associated with the local server; and

performing the sending the control command and receiving the modified audio visual data flow steps when the file associated with the control command is not stored in the memory associated with the local server.

10. (Original) The method as recited in claim 8, further comprising:

prior to sending the modified audio visual data flow from the local server to the network device, storing the modified audio visual data flow in a memory associated with the local server.

11. (Original) The method as recited in claim 8, wherein the modified audio visual data flow is associated with a first file that is different from a second file associated with the audio visual data that is sent from the central server to the network device.
12. (Original) The method as recited in claim 8, wherein the modified audio visual data flow is sent from the local server to the network device at a speed identical to that of the modified audio visual data flow received from the central server.
13. (Original) The method as recited in claim 8, wherein the modified audio visual data flow is received by the local server at a speed that is different from a speed of the flow of the audio visual data from the central server to the network device prior to sending the control command to the central server.
14. (Original) The method as recited in claim 8, wherein the modified audio visual data flow is initiated at a first point in a file that is different from a second point in the file at which the control command is received at the local server during the flow of the audio visual data.
15. (Original) The method as recited in claim 8, the audio visual data is associated with a first file and the modified audio visual data flow is associated with a second file.
16. (Original) The method as recited in claim 15, wherein the first file is different from the second file.
17. (Original) The method as recited in claim 15, wherein the first file is identical to the second file.
18. (Original) The method as recited in claim 13, wherein the first file is a movie file or a karaoke file and the second file is a movie file or a karaoke file.
19. (Currently Amended) In a first network including a local server coupled to a central server, the local server being coupled to a plurality of network devices via a second network, a method of interactively controlling from one of the plurality of network devices a

flow of audio visual data from the central server to the network device, the local server having a memory associated therewith, the method comprising:

receiving a control command at the local server from the network device via the second network, the control command indicating a desired initiation of audio visual data flow associated with a specified file;

determining whether the specified file is stored in the memory associated with the local server; and

when it is determined that the specified file is not stored in the memory associated with the local server, sending the control command from the local server to the central server via the first network, receiving an audio visual data stream from the central server at the local server via the first network in response to the control command; and sending the audio visual data stream from the local server to the network device via the second network such that the network device interactively controls the flow of audio visual data from the central server to the network device.

20. (Previously Amended) The method as recited in claim 19, further comprising:

when it is determined that the specified file is not stored in the memory associated with the local server, receiving an audio visual data stream by the local server from the central server via the first network in response to the control command and sending the audio visual data stream from the local server to the network device via the second network.

21. (Cancelled)

22. (Original) The method as recited in claim 20, further comprising:

when it is determined that the specified file is not stored in the memory associated with the local server, storing the audio visual data stream in a file in the memory associated with the local server.

23. (Previously Amended) The method as recited in claim 19, further comprising:

receiving compressed data associated with the specified file from the central server at the local server via the first network in response to the control command; and  
storing the specified file in the memory associated with the local server.

24. (Currently Amended) In a local server, the local server being coupled to a central server in a first network, the local server being coupled to a plurality of network devices via a second

network, a method of interactively controlling from one of the plurality of network devices a flow of audio visual data from the central server to the network device, the local server having a memory associated therewith, the method comprising:

receiving a control command at the local server from the network device via the second network, the control command indicating a desired initiation of data flow associated with a specified file;

sending the control command from the local server to the central server via the first network;

receiving an audio visual data stream from the central server at the local server via the first network in response to the control command; and

transmitting the audio visual data stream from the local server to the network device via the second network such that the network device interactively controls the flow of audio visual data from the central server to the network device.

25. (Original) The method as recited in claim 24, further comprising:

storing the audio visual data stream in the memory associated with the local server.

26. (Currently Amended) A central server ~~adapted for being coupled to a local server via a first network, the local server being coupled to a plurality of network devices via a second network, the central server being adapted for transmitting an a-~~audio visual data stream from the central server to one or more of the plurality of network devices via the local server, comprising:

a processor; and

a memory, at least one of the processor and the memory being configured for storing therein instructions for:

receiving a control command at the central server from one of a the-plurality of network devices via the a local server, the local server being coupled to the central server via a first network and being coupled to the plurality of network devices via a second network, the control command indicating a desired modification to the audio visual data stream being transmitted from the central server to the one of the plurality of network devices via the local server; and

sending a modified audio visual data stream from the central server to the network device via the local server in response to the control command, thereby enabling an audio visual data stream being transmitted from the central server to the network device to be interactively controlled from the network device.

27. (Currently Amended) A local server adapted for being coupled to a central server via a first network and to a plurality of network devices via a second network, the local server being configured for interactively controlling a flow of audio visual data from the central server to one of the plurality of network devices, comprising:

a processor; and

a memory, at least one of the processor and the memory being configured for storing therein the following instructions:

instructions for receiving a control command at the local server from one of a plurality of network devices the network device via the a second network, the local server being coupled to a central server via a first network and being coupled to the plurality of network devices via the second network, the control command indicating a desired modification to the a flow of the audio visual data from the central server to the network device;

instructions for sending the control command from the local server to the central server via the first network;

instructions for receiving a modified audio visual data flow at the local server from the central server via the first network in response to the control command; and

instructions for transmitting the modified audio visual data flow from the local server to the network device via the second network, thereby enabling the network device to interactively modify the flow of the audio visual data from the central server to the network device.

28. (Currently Amended) The local server as recited in claim 27, at least one of the processor and the memory being further configured for memory further comprising:

instructions for determining whether a file associated with the control command is stored in a memory associated with the local server; and

instructions for performing the sending the control command and receiving the modified audio visual data flow steps when the file associated with the control command is not stored in the memory associated with the local server.

29. (Currently Amended) A local server coupled to a central server via a first network, the local server being coupled to a plurality of network devices via a second network, the local server being adapted for interactively controlling from one of the plurality of network devices a flow of audio visual data to the network device, comprising:

a processor; and  
a memory, at least one of the processor and the memory being configured for the memory storing therein the following instructions:

instructions for receiving a control command at the local server from one of a plurality of networks the network device via the a second network, the local server being coupled to a central server via a first network and being coupled to the plurality of network devices via the second network, the control command requesting an initiation of audio visual data flow associated with a specified file;

instructions for determining whether the specified file is stored in a memory associated with the local server; and

instructions for sending the control command from the local server to the central server via the first network when it is determined that the specified file is not stored in the memory associated with the local server, sending the control command from the local server to the central server via the first network, receiving an audio visual data stream at the local server from the central server via the first network in response to the control command and sending the audio visual data stream from the local server to the network device via the second network such that the network device interactively controls the flow of audio visual data from the central server to the network device.

30. (Cancelled)

31. (Currently Amended) The local server as recited in claim 29 30, at least one of the processor and the memory being further configured for the memory further comprising:

instructions for storing the audio visual data stream in a file in the memory associated with the local server.

32. (Previously Amended) A system for enabling a continuous stream of audio visual data to be sent to a network device, comprising:

a central server having a memory associated therewith, the memory having stored therein a plurality of files;

a local server coupled to the central server via a first network and having a memory associated therewith, the local server configured to obtain a file from the central server when the file that is requested is not stored in the memory associated with the local server; and

a plurality of network devices coupled to the local server via a second network, each of the plurality of network devices being configured for sending a file request to the local server, the file request indicating a request for audio visual data associated with a requested file.

33. (Currently Amended) The system as recited in claim 32, ~~further comprising:~~  
~~a memory associated with the local server;~~  
wherein the local server is configured to store the file in the memory when the file is obtained from the central server.

34. (Currently Amended) The system as recited in claim 33, wherein the local server is configured to transmit an audio visual data stream associated with the file to one of the plurality of network devices via the second network when the file is obtained from the central server in response to the file request received from the one of the plurality of network devices such that the network device interactively controls the flow of audio visual data from the local server to the network device.

35. (Currently Amended) The system as recited in claim 32, wherein the local server is configured to transmit an audio visual data stream associated with the file to one of the plurality of network devices via the second network when the file is obtained from the central server in response to the file request received from the one of the plurality of network devices such that the network device interactively controls the flow of audio visual data from the local server to the network device.

36. (Currently Amended) The system as recited in claim 35, wherein the central server is configured to transmit a modified audio visual data stream in response to a control command received from the one of the plurality of network devices, and wherein each of the plurality of network devices is configured to send a control command indicating a desired modification to the audio visual data stream being transmitted to the corresponding network device, and wherein the local server is configured to process the modified audio visual data stream transmitted by the central server to the network device such that the network device interactively controls the flow of audio visual data from the central server to the network device.

37. (Currently Amended) A local server ~~adapted for being coupled to a central server via a first network and a plurality of network devices via a second network, the local server being~~

~~configured to interactively control from one of the plurality of network devices a flow of audio visual data from the central server to one of the plurality of network devices, comprising:~~

a processor; and

~~a memory associated therewith, at least one of the processor and the memory being configured for the memory storing therein the following instructions:~~

~~instructions for receiving a first control command at the local server from one of a plurality of network devices the network device via a the second network, the local server being coupled to a central server via a first network and being coupled to the plurality of network devices via the second network, the first control command indicating a desired initiation of data flow associated with a specified file;~~

~~instructions for forwarding the first control command from the local server to the central server via the first network;~~

~~instructions for receiving an audio visual data stream from the central server at the local server via the first network in response to the first control command;~~

~~instructions for transmitting the audio visual data stream from the local server to the network device via the second network such that the network device interactively controls the flow of audio visual data from the central server to the network device;~~

~~instructions for receiving a second control command at the local server from the network device via the second network, the second control command indicating a desired modification of data flow;~~

~~instructions for forwarding the second control command from the local server to the central server via the first network;~~

~~instructions for receiving a modified audio visual data stream from the central server at the local server via the first network in response to the second control command; and~~

~~instructions for transmitting the modified audio visual data stream from the local server to the network device via the second network such that the network device interactively modifies the flow of audio visual data from the central server to the network device.~~

38. (Currently Amended) The local server as recited in claim 37, ~~at least one of the processor and the memory being further configured for: the memory further comprising:~~

~~instructions for storing the first audio visual data stream in the memory associated with the local server.~~

39. (Original) The local server as recited in claim 37, wherein the specified file is a karaoke file.

40. (Original) The local server as recited in claim 37, wherein the specified file is a movie file.

41. (Currently Amended) A network device ~~adapted for being coupled to a first network including a local server coupled to a central server, the local server adapted for being coupled to a plurality of network devices via a second network, the network device being adapted for configured to interactively control~~ controlling a flow of audio visual data from ~~the a central server to the network device, comprising:~~

a processor; and

a memory, at least one of the processor and the memory being ~~configured for adapted for:~~ obtaining a control command at the network device, the control command indicating a desired modification to ~~the a~~ flow of the audio visual data from the central server to the network device;

sending the control command from the network device to ~~the a~~ local server via ~~the a second network, the local server being coupled to the central server via a first network and being coupled to the network device via the second network, wherein the local server is configured to transmit audio visual data received from the central server to the network device and configured to send the control command from the local server to the central server via the first network; and~~

~~— sending the control command from the local server to the central server via the first network; and~~

~~receiving a modified flow of the audio visual data from the central server at the network device in response to the control command such that the network device interactively controls the flow of audio visual data from the central server to the network device.~~

42. (Currently Amended) A computer-readable medium adapted for interactively controlling from a network device a flow of audio visual data from a central server to the network device, ~~the central server being connected to the network device via a local server adapted for being coupled to a plurality of network devices,~~ comprising:

instructions for receiving a control command at the local server from the network device, the control command indicating a desired initiation of data flow associated with a specified file;

instructions for sending the control command from the local server to the central server via the Internet, the central server being coupled to the network device via the local server, wherein the local server is coupled to a plurality of network devices including the network device;

instructions for receiving an audio visual data stream at the local server transmitted from the central server via the Internet in response to the control command; and

instructions for sending the audio visual data stream from the local server to the network device such that the network device interactively controls the data flow from the central server to the network device.

43. (Previously Amended) The computer-readable medium as recited in claim 42, further comprising:

instructions for transmitting the audio visual data stream from the local server to the network device via a switch.

44. (Previously Amended) The computer-readable medium as recited in claim 42, further comprising:

instructions for requesting by the local server that the specified file be downloaded to the local server from the central server.

45. (Original) The computer-readable medium as recited in claim 42, wherein the specified file is a karaoke file.

46. (Original) The computer-readable medium as recited in claim 42, wherein the specified file is a movie file.

47. (Cancelled)

48. (Cancelled)

49. (Cancelled)

50. (Cancelled)

51. (Previously Added) The method as recited in claim 1, wherein the first network is the Internet.

52. (Previously Added) The method as recited in claim 1, wherein the first network is a wide area network and the second network is a local area network.

53. (Previously Added) The method as recited in claim 1, wherein each of the plurality of network devices is coupled to the local server via a switch.

54. (Previously Added) The method as recited in claim 53, wherein each of the plurality of network devices is a set-top box.

55. (Previously Added) The method as recited in claim 2, wherein the first network is the Internet.

56. (Previously Added) The method as recited in claim 2, wherein the first network is a wide area network and the second network is a local area network.

57. (Previously Added) The method as recited in claim 2, wherein each of the plurality of network devices is coupled to the local server via a switch.

58. (Previously Added) The method as recited in claim 57, wherein each of the plurality of network devices is a set-top box.

59. (Previously Added) The method as recited in claim 8, wherein the first network is the Internet.

60. (Previously Added) The method as recited in claim 8, wherein the first network is a wide area network and the second network is a local area network.

61. (Previously Added) The method as recited in claim 8, wherein each of the plurality of network devices is coupled to the local server via a switch.
62. (Previously Added) The method as recited in claim 61, wherein each of the plurality of network devices is a set-top box.
63. (Previously Added) The method as recited in claim 19, wherein the first network is the Internet.
64. (Previously Added) The method as recited in claim 19, wherein the first network is a wide area network and the second network is a local area network.
65. (Previously Added) The method as recited in claim 19, wherein each of the plurality of network devices is coupled to the local server via a switch.
66. (Previously Added) The method as recited in claim 65, wherein each of the plurality of network devices is a set-top box.
67. (Previously Added) The method as recited in claim 24, wherein the first network is the Internet.
68. (Previously Added) The method as recited in claim 24, wherein the first network is a wide area network and the second network is a local area network.
69. (Previously Added) The method as recited in claim 24, wherein each of the plurality of network devices is coupled to the local server via a switch.
70. (Previously Added) The method as recited in claim 69, wherein each of the plurality of network devices is a set-top box.
71. (Previously Added) The system as recited in claim 32, wherein the first network is the Internet.

72. (Previously Added) The system as recited in claim 32, wherein the first network is a wide area network and the second network is a local area network.
73. (Previously Added) The system as recited in claim 32, wherein each of the plurality of network devices is coupled to the local server via a switch.
74. (Previously Added) The system as recited in claim 73, wherein each of the plurality of network devices is a set-top box.
75. (Previously Added) The method as recited in claim 1, wherein the second network is a wireless local area network.
76. (Previously Added) The method as recited in claim 2, wherein the second network is a wireless local area network.
77. (Previously Added) The method as recited in claim 8, wherein the second network is a wireless local area network.
78. (Previously Added) The method as recited in claim 19, wherein the second network is a wireless local area network.
- Please ADD new claims as follows:
79. (New) The method as recited in claim 2, wherein modifying the flow of the audio visual data from the central server to the network device in response to the control command such that the network device interactively controls the flow of audio visual data from the central server to the network device comprises:  
modifying a speed of flow of the audio visual data.
80. (New) The method as recited in claim 79, wherein modifying a speed of flow of the audio visual data comprises increasing or reducing the speed of flow of the audio visual data.
81. (New) The method as recited in claim 2, wherein modifying the flow of the audio visual data from the central server to the network device in response to the control command such that

the network device interactively controls the flow of audio visual data from the central server to the network device comprises:

stopping or pausing the flow of the audio visual data.

82. (New) The method as recited in claim 2, wherein modifying the flow of the audio visual data from the central server to the network device in response to the control command such that the network device interactively controls the flow of audio visual data from the central server to the network device comprises:

continuing the flow of the audio visual data at a point where the flow of the audio visual data was previously paused.

83. (New) The method as recited in claim 2, wherein modifying the flow of the audio visual data from the central server to the network device in response to the control command such that the network device interactively controls the flow of audio visual data from the central server to the network device comprises:

initiating the flow of the audio visual data associated with a file identified by the control command.

84. (New) The method as recited in claim 2, wherein modifying the flow of the audio visual data from the central server to the network device in response to the control command such that the network device interactively controls the flow of audio visual data from the central server to the network device does not comprise downloading the audio visual data.

85. (New) The method as recited in claim 68, wherein the wide area network is a wireless network.